PAINT THICKNESS REPORT RICHMOND-SAN RAFAEL BRIDGE

AUGUST, 1999

Pier	N/S	Reading Location	t ₁	t ₂	t ₃	t₄	t ₅	t ₆
73U	North	Diaphragm Web	23	23	24			
		Rivets on Diaphragm Flange	69	63	46	72	······································	
		Rivets on Diaphragm/Chord Connection	42	68	· · · · · · · · · · · · · · · · · · ·			
		Diaphragm Flange	35	30	48			
73U	South	Diaphragm Web	45	23	39			
		Rivets on Diaphragm Flange	78	61	52			
		Knee Brace	42	45				
		Rivets on Diaphragm/Knee Brace Connection	61	58	46			
72U	North	Diaphragm Web	45	51	41			
		Rivets on Diaphragm Flange	55	59	80	86		
		Diaphragm Flange	43	40	43			
	*****	Knee Brace	24	24	23		724	
		Chord Flange (*Near Bearing)	47	122*	70			
72U	72U South	Diaphragm Flange	39	21	34			
		Rivets on Diaphragm Flange	58	45	61	66		
		Knee Brace	45	27				
		Rivets on Chord/Knee Brace Connection	49	45	74			
		Rivets on Knee Brace Outside Edge	77	74	68			
	-	Chord Flange (*Near Bearing)	45	131*	65			
		Rivets on Traveler Hangers	102	108	88			
76L	South	Rivets on Diaphragm/Knee Brace Web Connection	68	104	94	65		
		Rivets on Bottom Diaphragm Flange/Knee Brace Connection	86	129	113			
		Knee Brace	45	51	36			
		Rivets on Knee Brace Web/Chord Connection	67	71	81	7		
76L	North	Diaphragm Web	31	27	46			
		Rivets on Diaphragm Flange/Knee Brace Connection	82	138	84	82	89	
		Knee Brace Web	42	36	39			
		Diaphragm Bottom Flange	44	37	50			
		Rivets on Knee Brace Web/Chord Connection	71	92	64	73	46	43

Memorandum

To:

Shawn Sun, CCMB

Date: 04/27/98

File:

04-043841

From:

DEPARTMENT OF TRANSPORTATION

ENGINEERING SERVICE CENTER DIVISION OF STRUCTURES

OFFICE OF STRUCTURE CONSTRUCTION

Subject:

Paint Removal Locations

Please find enclosed 19 sheets of paint thickness readings for various representative spans along the Richmond-San Rafael Bridge. A copy was forwarded to Yader Bermudez and Alec Melkonians to be included with the reference material available to the Contractor and language put into the "Existing Highway Facilities" Section of the Specials.

If you have any questions, please call me at (510) 231-7181.

Senior Bridge Engineer ,

CC:

JEberle

SCastaldo

Jhemiup

Ybermudez

AMelkonians

289 & main span

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Paint Thickness (mils)
Span 44-45	U1'	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	
Span 44-45	U1'	south	truss vertical	both east and west faces	
Span 44-45	Π0 .	north	truss vertical	both north and south exterior faces	
Span 44-45	U0'	north	upper floor beam	both sides of web near truss vertical connection	
Span 44-45	U0'	north	truss vertical	both east and west faces	
Span 44-45	U0'	south	truss vertical	both north and south exterior faces	
Span 44-45	Π0,	south	upper floor beam	both sides of web near truss vertical connection	
Span 44-45	U0'	south	truss vertical	both east and west faces	
Span 45-46	LO	north	gusset plates	both north and south exterior faces	S: - 28 N- 26
Span 45-46	LO	north	lower floor beam	both sides of web near truss vertical connection	E - 26
Span 45-46	LO	north	truss vertical	both east and west faces	E-18 W-21
Span 45-46	L0	south	gusset plates	both north and south exterior faces	5 - 24 N - 20
Span 45-46	LO	south	lower floor beam	both sides of web near truss vertical connection	E- 24 W- 30
Span 45-46	LO	south	truss vertical	both east and west faces	₩-62 W-43
Span 45-46	L0 - L1	north	lower chord	both north and south interior faces @ L0	H - 30 S - 20
Span 45-46	L0 - L1	south	lower chord	both north and south interior faces @ L0	4- 18 5- 26
Span 45-46	L0 - L2	north	lower chord	top and bottom faces	T - 54
Span 45-46	L0 - L2	south	lower chord	top and bottom faces	T-40 B-16
Span 45-46	L1	north	gusset plates	both north and south exterior faces	H - 25 s - 28
Span 45-46	L1	north	lower floor beam	both sides of web near truss vertical connection	E - 20 W- 18
Span 45-46	L1	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	T- 16 B- 24
Span 45-46	L1	north	truss vertical	both east and west faces	₩ - 30
Span 45-46	L1	north	top and bottom gusset plates for lateral bracing	both top and bottom faces	3-20
Span 45-46	L1		gusset plates	both north and south exterior faces	N - 30 S - 14

289 & main span

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Paint Thickness (mils)
Span 45-46	L1	south	lower floor beam	both sides of web near truss vertical connection	E- 14 W- 22
Span 45-46	L1	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	T- 18 B- 20
Span 45-46	L1	south	truss vertical	both east and west faces	E - 18
Span 45-46	L1	south	top and bottom gusset plates for lateral bracing	both top and bottom faces	T- 40 B- 36
Span 45-46	L1 - B0	north	lower lateral bracing	both faces of top and bottom flanges	7:30 BT
Span 45-46	L1 - B0	south	lower lateral bracing	both faces of top and bottom flanges	T-26 137
Span 45-46	В0		top and bottom gusset plates for lateral bracing	both top and bottom faces	30-T 40-B
Span 45-46	L1 - L1		lower floor beam	top and bottom side of top and bottom flange of lower floor beam at B1 connection	TO-16 BB
Span 45-46	L2	north	gusset plates	both north and south exterior faces	H - 30 S - 20
Span 45-46	L2	north	lower floor beam	both sides of web near truss vertical connection	W- 30 E- 20
Span 45-46	L2	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	J-26 3-18
Span 45-46	L2	north	truss vertical	both east and west faces	E-30 W-26
Span 45-46	L2	north	lower floor beam	top and bottom side of top and bottom flange of lower floor beam	T-24 BT210 TB21 BB20
Span 45-46	L2	south	gusset plates	both north and south exterior faces	5-16 N-22
Span 45-46	L2	south	lower floor beam	both sides of web near truss vertical connection	E - 26 W - 20
Span 45-46	L2	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	T - 28 B - 13
Span 45-46	L2	south	truss vertical	both east and west faces	E - 24
Span 45-46	L2	south	lower floor beam	top and bottom side of top and bottom flange of lower floor beam	7-26 BT-1 78-16 BB
Span 45-46	L3	north	gusset plates	both north and south exterior faces	5-20 M-20
Span 45-46	L3	north	lower floor beam	both sides of web near truss vertical connection	E-28 W-26
Span 45-46	L3	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	T-20 3 16
Span 45-46	L3	north	truss vertical	both east and west faces	E-21 W-24
Span 45-46	L3	north	top and bottom gusset plates for lateral bracing	both top and bottom faces	T- 44
Span 45-46	L3	south	gusset plates	both north and south exterior faces	B-29 N-22 S-18

289 & main span

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Paint Thickness (mils)
Span 45-46	L2'	north	lower floor beam	top and bottom side of top and bottom flange of lower floor beam	16.7 38- 2 13 48.
Span 45-46	L2'	south	gusset plates	both north and south exterior faces	26 - 11 14 - 5
Span 45-46	L2'	south	lower floor beam	both sides of web near truss vertical connection	W- 22 = - 16
Span 45-46	L2'	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	20 - T 14 - B
Span 45-46	L2'	south	truss vertical	both east and west faces	20 - É 24 - W
Span 45-46	L2'	south	lower floor beam	top and bottom side of top and bottom flange of lower floor beam	14 _T
Span 45-46	L1'	north	gusset plates	both north and south exterior faces	26-B 22-5 24-N
Span 45-46	L1'	north	lower floor beam gusset plates	both top and bottom faces connected to lateral bracing	38 - T 28. B
Span 45-46	L1'	north	lower floor beam	both sides of web near truss vertical connection	W- 20
Span 45-46	L1'	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	22- T 36 - B
Span 45-46	L1'	north	truss vertical	both east and west faces	28 - E 24 - W
Span 45-46	L1'	south	gusset plates	both north and south exterior faces	14 - S 24 - N
Span 45-46	L1'	south	lower floor beam gusset plates	both top and bottom faces connected to lateral bracing	18 - T 30 - B
Span 45-46	L1'	south	lower floor beam	both sides of web near truss vertical connection	W- 22 E~ 16
Span 45-46	L1'	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	26 - T 28 - B
Span 45-46	L1'	south	truss vertical	both east and west faces	24 " E 13 - W
Span 45-46	L1' - L1'		lower floor beam	top and bottom side of top and bottom flange of lower floor beam at B1' connection	26-B 46-T
Span 45-46	L1' - L1'		lower floor beam	both sides of web at 6'-1 1/2" south of north truss	28
Span 45-46	L1' - L1'		lower floor beam	both sides of web at 6'-1 1/2" north of south truss	40
Span 45-46	L0'	north	gusset plates	both north and south exterior faces	30 - 5 24 - N
Span 45-46	L0'	north	lower floor beam	both sides of web near truss vertical connection	36 -S
Span 45-46	L0'	north	truss vertical	both east and west faces	12-E 24-W
Span 45-46	L0'	south	gusset plates	both north and south exterior faces	20-5 32-N
Span 45-46	L0'	south	lower floor beam	both sides of web near truss vertical connection	26 - N

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Paint Thickness (mils)
Span 48-49	LA12 - LA12		lower floor beam	top and bottom side of top and bottom flange of lower floor beam at BA12 connection	
Span 48-49	LA12 - LA12		lower floor beam	both sides of web at 6'-1 1/2" south of north truss	
Span 48-49	LA12 - LA12		lower floor beam	both sides of web at 6'-1 1/2" north of south truss	
Span 48-49	LA11	north	lower floor beam gusset plates	both top and bottom faces connected to lateral bracing	
Span 48-49	LA11	south	lower floor beam gusset plates	both top and bottom faces connected to lateral bracing	
Span 48-49	LA11 - LA11		lower floor beam	top and bottom side of top and bottom flange of lower floor beam at BA11 connection	
Span 48-49	LA11 - LA11		lower floor beam	both sides of web at 6'-1 1/2" south of north truss	
Span 48-49	LA11 - LA11		lower floor beam	both sides of web at 6'-1 1/2" north of south truss	
Span 48-49	adjacent to pier 49 adjacent to		lower deck stringers	web, top & bot faces of top flange of any three non- adjacent stringers @ 6' from center line of floor beam	
	pier 49		lower floor beam	web of floor beam @ stringer level between stringers	
	adjacent to pier 49		lower deck curb	top of curb and face of guard rail @ 2' from center line of pier	24
Span 49-50	adjacent to pier 49		upper deck stringers	web, top & bot faces of top flange of any three non- adjacent stringers @ 6' from center line of floor beam	
	adjacent to pier 49		upper floor beam	web of floor beam @ stringer level between stringers	
	adjacent to pier 49		upper deck curb	top of curb and face of guard rail @ 2' from center line of pier	
Span 49-50	LO	north	gusset plates	both north and south exterior faces	
Span 49-50	L0	north	lower floor beam	both sides of web near truss vertical connection	
Span 49-50	LO	north	truss vertical	both east and west faces	
Span 49-50	LO	south	gusset plates	both north and south exterior faces	14-14
Span 49-50	L0	south	lower floor beam	both sides of web near truss vertical connection	
Span 49-50	LO	south	truss vertical	both east and west faces	8-6
Span 49-50	L0 - L0		lower floor beam	top and bottom side of top and bottom flange of lower floor beam at 80 connection	•
Span 49-50	L0 - L0		lower floor beam	both sides of web at 6'-1 1/2" south of north truss	
Span 49-50	L0 - L0		lower floor beam	both sides of web at 6'-1 1/2" north of south truss	
Span 49-50	L0 - L1	north	lower chord	both north and south interior faces @ L0	·

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Thic	aint kness nils)
Span 49-50	L0 - L1	south	lower chord	both north and south interior faces @ L0		
Span 49-50	L0 - L2	north	lower chord	top and bottom faces		
Span 49-50	L0 - L2	south	lower chord	top and bottom faces	<u> </u>	
Span 49-50	L0 - L1	north	lower chord	both north and south exterior faces		
Span 49-50	L0 - L1	south	lower chord	both north and south exterior faces		
Span 49-50	L1	north	gusset plates	both north and south exterior faces		
Span 49-50	L1	north	lower floor beam	both sides of web near truss vertical connection		
Span 49-50	L1	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer		
Span 49-50	L1	north	truss vertical	both east and west faces	16	16
Span 49-50	L1	south	gusset plates	both north and south exterior faces		
Span 49-50	L1	south	lower floor beam	both sides of web near truss vertical connection		
Span 49-50	L1	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer		
Span 49-50	L1	south	truss vertical	both east and west faces		
Span 49-50	L1 - L1		lower floor beam	top and bottom side of top and bottom flange of lower floor beam at B1 connection		
Span 49-50	L1 - L1		lower floor beam	both sides of web at 6'-1 1/2" south of north truss		
Span 49-50	L1 - L1		lower floor beam	both sides of web at 6'-1 1/2" north of south truss		
Span 49-50	L2	north	gusset plates	both north and south exterior faces		
Span 49-50	L2	north	lower floor beam	both sides of web near truss vertical connection		
Span 49-50	L2	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer		
Span 49-50	L2	north	truss vertical	both east and west faces		
Span 49-50	L2	north	lower floor beam	top and bottom side of top and bottom flange of lower floor beam		
Span 49-50	L2	south	gusset plates	both north and south exterior faces	B	1.64
Span 49-50	L2	south	lower floor beam	both sides of web near truss vertical connection		
Span 49-50	L2	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer		

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Thic	Paint okness mils)
Span 49-50	L2	south	truss vertical	both east and west faces	18	-18
Span 49-50	L2	south	lower floor beam	top and bottom side of top and bottom flange of lower floor beam		10_
Span 49-50	L3	north	gusset plates	both north and south exterior faces		
Span 49-50	L3	north	lower floor beam	both sides of web near truss vertical connection		
Span 49-50	L3	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer		
Span 49-50	L3	north	truss vertical	both east and west faces		
Span 49-50	L3	south	gusset plates	both north and south exterior faces		
Span 49-50	L3	south	lower floor beam	both sides of web near truss vertical connection		
Span 49-50	L3	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer		
Span 49-50	L3	south	truss vertical	both east and west faces	16	16
Span 49-50	L3'	north	gusset plates	both north and south exterior faces		•
Span 49-50	L3'	north	lower floor beam	both sides of web near truss vertical connection		
Span 49-50	L3'	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer		
Span 49-50	L3'	north	truss vertical	both east and west faces		
Span 49-50	L3'	south	gusset plates	both north and south exterior faces	!.	
Span 49-50	L3'	south	lower floor beam	both sides of web near truss vertical connection		
Span 49-50	L3'	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer		
Span 49-50	L3'	south	truss vertical	both east and west faces	14	14
Span 49-50	L2'	north	gusset plates	both north and south exterior faces		<u>···</u>
Span 49-50	L2'	north	lower floor beam	both sides of web near truss vertical connection		
Span 49-50	L2'	north	exterior deck stringer - i	top and bottom sides of bottom flange for cable restrainer		
Span 49-50	L2'	north	truss vertical	both east and west faces		
Span 49-50	L2'	north	iower noor beam	top and bottom side of top and bottom flange of lower floor beam		
Span 49-50	L2'	south	gusset plates	both north and south exterior faces	22	20

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Thic	Paint ckness mils)
Span 49-50	L2'	south	lower floor beam	both sides of web near truss vertical connection		
Span 49-50	L2'	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer		
Span 49-50	L2'	south	truss vertical	both east and west faces	14	10
Span 49-50	L2'	south	lower floor beam	top and bottom side of top and bottom flange of lower floor beam		<u>10</u>
Span 49-50	L1'	north	gusset plates	both north and south exterior faces		
Span 49-50	L1'	north	lower floor beam	both sides of web near truss vertical connection		·· - · - · - · - ·
Span 49-50	L1'	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer		
Span 49-50	L1'	north	truss vertical	both east and west faces		
Span 49-50	L1'	north	top and bottom gusset plates for lateral bracing	both top and bottom faces		
Span 49-50	L1'	south	gusset plates	both north and south exterior faces	20	. 20
Span 49-50	L1'	south	lower floor beam	both sides of web near truss vertical connection		
Span 49-50	L1'	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	İ	·
Span 49-50	L1'	south	truss vertical	both east and west faces	13	16
Span 49-50	L1'	south	top and bottom gusset plates for lateral bracing	both top and bottom faces		<u>, 0</u>
Span 49-50	L1' - B0'	north	lower lateral bracing	both faces of top and bottom flanges		
Span 49-50	L1' - B0'	south	lower lateral bracing	both faces of top and bottom flanges		
Span 49-50	L1' - L1'		lower floor beam	top and bottom side of top and bottom flange of lower floor beam at B1' connection		·
Span 49-50	B0'	t t	top and bottom gusset plates for lateral bracing	both top and bottom faces		-
Span 49-50	L0'		gusset plates	both north and south exterior faces		
Span 49-50	L0'	north	lower floor beam	both sides of web near truss vertical connection		
Span 49-50	L0'	north	truss vertical	both east and west faces		
Span 49-50	LO'	south	gusset plates	both north and south exterior faces	8	12
Span 49-50	L0'	south	lower floor beam	both sides of web near truss vertical connection		
Span 49-50	L0'	south	truss vertical	both east and west faces	14	14

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Paint Thickness (mils)
Span 57-58	Π0,	south	upper floor beam	both sides of web near truss vertical connection	
Span 5 7-58	Π0,	south	truss vertical	both east and west faces	4
Span 59-60	LO	north	gusset plates	both north and south exterior faces	2420
Span 59-60	LO	north	lower floor beam	both sides of web near truss vertical connection	21 26
Span 59-60	L0	north	truss vertical	both east and west faces	20 30
Span 59-60	L0	south	gusset plates	both north and south exterior faces	10 16
Span 59-60	LO	south	lower floor beam	both sides of web near truss vertical connection	3016
Span 59-60	LO	south :	truss vertical	both east and west faces	1830
Span 59-60	L0 - L1	north	lower chord	both north and south interior faces @ L0	16 18
Span 59-60	L0 - L1	south	lower chord	both north and south interior faces @ L0	12.28
Span 59-60	L0 - L2	north	lower chord	top and bottom faces	60 34
Span 59-60	L0 - L2	south	lower chord	top and bottom faces	58 28
Span 59-60	L0 - U0	north	truss vertical	both north and south exterior faces	28 48
Span 59-60	L0 - U0	south	truss vertical	both north and south exterior faces	36 20
Span 59-60	L1	north	gusset plates	both north and south exterior faces	25 26
Span 59-60	L1	north	lower floor beam	both sides of web near truss vertical connection	24 34
Span 59-60	L1	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	28 30
Span 59-60	L1	north	truss vertical	both east and west faces	26 22
Span 59-60	L1	nomo i	top and bottom gusset plates for lateral bracing	both top and bottom faces	35 23
Span 59-60	L1		gusset plates	both north and south exterior faces	2030
Span 59-60	L1	south	ower floor beam	both sides of web near truss vertical connection	12.26
Span 59-60	L1	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	28 36
Span 59-60	L1	south I		both east and west faces	30 12
Span 59-60	L1		op and bottom gusset plates for ateral bracing	both top and bottom faces	16. 12

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Paint Thickness (mils)
Span 59-60	L1 - B0	north	lower lateral bracing	both faces of top and bottom flanges	40 26
Span 59-60	L1 - B0	south	lower lateral bracing	both faces of top and bottom flanges	42 24 50 36
Span 59-60	B0		top and bottom gusset plates for lateral bracing	both top and bottom faces	34 34
Span 59-60	L2	north	gusset plates	both north and south exterior faces	26 24
Span 59-60	L2	north	lower floor beam	both sides of web near truss vertical connection	32.26
Span 59-60	L2	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	36 24
Span 59-60	L2	north	truss vertical	both east and west faces	38 34
Span 59-60	L2	south	gusset plates	both north and south exterior faces	30 24
Span 59-60	L2	south	lower floor beam	both sides of web near truss vertical connection	24-22
Span 59-60	L2	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	26 26
Span 59-60	L2 ·	south	truss vertical	both east and west faces	26 24
Span 59-60	L3	north	gusset plates	both north and south exterior faces	4038
Span 59-60	L3	north	lower floor beam	both sides of web near tress vertical connection	2424
Span 59-60	L3	north		top and bottom sides of bottom flange for cable restrainer	3024
Span 59-60	L3	north	truss vertical	both east and west faces	3232
Span 59-60	L3	south	gusset plates	both north and south extenor faces	3030
Span 59-60	L3	south	lower floor beam	both sides of web near truss vertical connection	22 26
Span 59-60	L3	south		top and bottom sides of bottom flange for cable restrainer	38 26
Span 59-60	L3	south	truss vertical	both east and west faces	22 18
Span 59-60	L3'	north	gusset plates	both north and south exterior faces	3834
Span 59-60	L3'	north	ower floor beam	both sides of web near truss vertical connection	28 22
Span 59-60	L3'	north (top and bottom sides of bottom flange for cable restrainer	28 24
Span 59-60	L3'	north t	russ vertical	both east and west faces	22.26
Span 59-60	L3'	south (gusset plates	both north and south exterior faces	30 26

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Paint Thickness (mils)
Span 59-60	L3'	south	lower floor beam	both sides of web near truss vertical connection	20 22
Span 59-60	L3'	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	38 22
Span 59-60	L3' ·	south	truss vertical	both east and west faces	20 18
Span 59-60	L2'	north	gusset plates	both north and south exterior faces	3032
Span 59-60	L2'	north	lower floor beam	both sides of web near truss vertical connection	30 20
Span 59-60	L2'	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	32 30
Span 59-60	L2'	north	truss vertical	both east and west faces	2830
Span 59-60	L2'	south	gusset plates	both north and south exterior faces	24 26
Span 59-60	L2'	south	lower floor beam	both sides of web near truss vertical connection	24 28
Span 59-60	L2'	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	26 24
Span 59-60	L2'	south	truss vertical	both east and west faces	26 26
Span 59-60	L1'	north	gusset plates	both north and south exterior faces	32 26
Span 59-60	L1'	north	lower floor beam	both sides of web near truss vertical connection	2022
Span 59-60	L1'	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	38 30
Span 59-60	L1'	north	truss vertical	both east and west faces	24 24
Span 59-60	L1'	north	top and bottom gusset plates for lateral bracing	both top and bottom faces	T 50 24
Span 59-60	L1'	south	gusset plates	both north and south exterior faces	36 28
Span 59-60	L1'	south	lower floor beam	both sides of web near truss vertical connection	2218
Span 59-60	L1'	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	26 24
Span 59-60	L1'	south	truss vertical	both east and west faces	26 22
Span 59-60	L1',	south	top and bottom gusset plates for lateral bracing	both top and bottom faces	74.30
Span 59-60	L1' - B0'	north	lower lateral bracing	both faces of top and bottom flanges	T 42 30
Span 59-60	L1' - B0'	south	lower lateral bracing	both faces of top and bottom flanges	7 38 22 3 26 30
Span 59-60	B0'		top and bottom gusset plates for lateral bracing	Inom top and policin races	T 38 20 R 38 35

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Paint Thickness (mils)
Span 59-60	L0'	north	gusset plates	both north and south exterior faces	24 24
Span 59-60	ro.	north	lower floor beam	both sides of web near truss vertical connection	30 26
Span 59-60	ro.	north	truss vertical	both east and west faces	2628
Span 59-60	L0'	south	gusset plates	both north and south exterior faces	28 20
Span 59-60	L0'	south	lower floor beam	both sides of web near truss vertical connection	26.32
Span 59-60	L0'	south	truss vertical	both east and west faces	30 24
Span 59-60	L0' - L1'	north	lower chord	both north and south interior faces @ L0	24 20
Span 59-60	L0' - L1'	south	lower chord	both north and south interior faces @ L0	24 28
Span 59-60	L0' - L2'	l Inorth	lower chord	top and bottom faces	78 46
Span 59-60	L0' - L2'	south	lower chord	top and bottom faces	්රි _{රි} ₹0
Span 59-60	L0' - U0'	north	truss vertical	both north and south extenor faces	2024
Span 59-60	ro no.	south	truss vertical	both north and south exterior faces	22 38
Span 59-60	U0	north	truss vertical	both north and south exterior faces	
Span 59-60	U0	north	upper floor beam	both sides of web near truss vertical connection	
Span 59-60	U0	north	truss vertical	both east and west faces	
Span 59-60	U0	south	truss vertical	both north and south exterior faces	
Span 59-60	UO	south	upper floor beam	both sides of web near truss vertical connection	
Span 59-60	uo	south	truss vertical	both east and west faces	
Span 59-60	U1	north	truss vertical	both north and south exterior faces	
Span 59-60	U1	north	upper floor beam	both sides of web near truss vertical connection	
Span 59-60	U1	north	EXICIOI GELV SUURGE	top and bottom sides of bottom flange for cable restrainer	
Span 59-60	U1	north	truss vertical	both east and west faces	
Span 59-60	U1	south	truss vertical	both north and south exterior faces	
Span 59-60	U1	south	upper floor beam	both sides of web near truss vertical connection	

or Span	lember or Joint Location	Truss.	Member Type	Measurement Location	Paint Thicknes (mils)	s
Span 59-60 U		south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	·	
Span 59-60 U	1'	south	truss vertical	both east and west faces		
Span 59-60 U	0,	north	truss vertical	both north and south exterior faces		
Span 59-60 U	10.	north	upper floor beam	both sides of web near truss vertical connection		
Span 59-60 U	10'	north	truss vertical	both east and west faces		
	70,	south	truss vertical	both north and south exterior faces		
<u> </u>	70,	south	upper floor beam	both sides of web near truss vertical connection		
	70,	south	truss vertical	both east and west faces	-	
	_0	north	gusset plates	both north and south exterior faces	30 4	10
	L0	north	lower floor beam	both sides of web near truss vertical connection	22	36
	L0	inorth	truss vertical	both east and west faces	22	<u>ع</u> ٤
	 L0	south	gusset plates	both north and south exterior faces	22	<u>პ</u> ე
	LO	south	lower floor beam	both sides of web near truss vertical connection	26	3 <u>-</u>
	LO	south	truss vertical	both east and west faces	20	25
Span 60-61		north	lower chord	both north and south interior faces @ L0	28	13
	L0 - L1	south	Hower chord	both north and south interior faces @ L0	32	24
Span 60-61	<u> </u>	north	lower chord	top and bottom faces	166	
Span 60-61	1	south	lower chord	top and bottom faces	1	2
	L0 - U0	north	truss vertical	both north and south exterior faces	35	÷/0
<u>'</u>		south	truss vertical	both north and south exterior faces	32	. 28
	<u> </u>			both north and south exterior faces	30	
	L1	north	gusset plates	both sides of web near truss vertical connection	22	
Span 60-61	L1	north	lower floor beam	top and bottom sides of bottom flange for cable	22	
Span 60-61	L1	north		restrainer	124	
Span 60-61	L1	north	truss vertical	both east and west faces	1 1	

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Paint Thickness (mils)
Span 60-61	L1	north	top and bottom gusset plates for lateral bracing	both top and bottom faces	56 32 50 22
Span 60-61	L1	south	gusset plates	both north and south exterior faces	28 30
Span 60-61	L1	south	lower floor beam	both sides of web near truss vertical connection	27-26
Span 60-61	L1	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	22.20
Span 60-61	L1	south	truss vertical	both east and west faces	26 28
Span 60-61	L1	south	top and bottom gusset plates for lateral bracing	both top and bottom faces	50 20 32 34
Span 60-61	L1 - B0	north	lower lateral bracing	both faces of top and bottom flanges	4230
Span 60-61	L1 - B0	south	lower lateral bracing	both faces of top and bottom flanges	36 24 16
Span 60-61	В0		top and bottom gusset plates for lateral bracing	both top and bottom faces	52 30 38 42
Span 60-61	L2	north	gusset plates	both north and south exterior faces	2424
Span 60-61	L2	north	lower floor beam	both sides of web near truss vertical connection	2420
Span 60-61	L2	north	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	20 24
Span 60-61	L2	north	truss vertical	both east and west faces	3418
Span 60-61	L2	south	gusset plates	both north and south exterior faces	22 20
Span 60-61	L2	south	lower floor beam	both sides of web near truss vertical connection	2624
Span 60-61	L2	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	23 18
Span 60-61	L2	south	truss vertical	both east and west faces	23 24
Span 60-61	L3	north	gusset plates	both north and south exterior faces	28 38
Span 60-61	L3 `	north	lower floor beam	both sides of web near truss vertical connection	2622
Span 60-61	L3	north	EXICIOLUCIX SITURCI	top and bottom sides of bottom flange for cable restrainer	25 25
Span 60-61	L3	north		both east and west faces	18 28
Span 60-61	L3	south	gusset plates	both north and south exterior faces	32 30
Span 60-61	L3	south	ower floor beam	both sides of web near truss vertical connection	28 28
Span 60-61	L3	south	expendicued sunder	top and bottom sides of bottom flange for cable restrainer	24 30

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Paint Thickness (mils)
Span 60-61	L3	south	truss vertical	both east and west faces	22 26
Span 60-61	L3'	north	gusset plates	both north and south exterior faces	2634
Span 60-61	L3'	north	lower floor beam	both sides of web near truss vertical connection	26 24
Span 60-61	L3'	north	exterior der.k stringer	top and bottom sides of bottom flange for cable restrainer	28 28
Span 60-61	L3'	north	truss vertical	both east and west faces	2420
Span 60-61	L3'	south	gusset plates	both north and south exterior faces	3030
Span 60-61	L3'	south	lower floor beam	both sides of web near truss vertical connection	22 24
Span 60-61	L3'	south	exterior deck stringer	top and bottom sides of bottom flange for cable restrainer	34 30
Span 60-61	L3'	south	truss vertical	both east and west faces	2220
Span 60-61	L2'	north	gusset plates	both north and south exterior faces	24 26
Span 60-61	L2'	north	lower floor beam	both sides of web near truss vertical connection	1424
Span 60-61	L2'	north		top and bottom sides of bottom flange for cable restrainer	30 22
Span 60-61	L2'	north	truss vertical	both east and west faces	2226
Span 60-61	L2°	south	gusset plates	both north and south exterior faces	22 26
Span 60-61	L2'	south	lower floor beam	both sides of web near truss vertical connection	1428
Span 60-61	L2'	south	exterior deck stricter	top and bottom sides of bottom flange for cable restrainer	34 26
Span 60-61	L2'	south	truss vertical	both east and west faces	3026
Span 60-61	L1'	north	gusset plates	both north and south exterior faces	18 24
Span 60-61	L1'	north	lower floor beam	both sides of web near truss vertical connection	1214
Span 60-61	L1'	north	EXICIOLUCIA SIUDUCI	top and bottom sides of bottom flange for cable restrainer	20 16
Span 60-61	L1'	north		both east and west faces	1622
Span 60-61	L1'	south	gusset plates	both north and south exterior faces	1814
Span 60-61	L1'	south	lower floor beam	both sides of web near truss vertical connection	16 16
Span 60-61	L1'	south		top and bottom sides of bottom flange for cable restrainer	1314

Pier or Span Location	Member or Joint Location	Truss	Member Type	Measurement Location	Paint Thickness (mils)
Span 60-61	L1'	south	truss vertical	both east and west faces	1412
Span 60-61	F0.	north	gusset plates	both north and south exterior faces	2814
Span 60-61	L0'	north	lower floor beam	both sides of web near truss vertical connection	1834
Span 60-61	F0,	north	truss vertical	both east and west faces	30 20
Span 60-61	L0'	south	gusset plates	both north and south exterior faces	1626
Span 60-61	L0'	south	lower floor beam	both sides of web near truss vertical connection	30 22
Span 60-61	LO'	south	truss vertical	both east and west faces	2334
Span 60-61	L0' - L1'	north	lower chord	both north and south interior faces @ L0	1612
Span 60-61	L0' - L1'	south .	lower chord	both north and south interior faces @ L0	18 30
Span 60-61	L0' - L2'	north	lower chord	top and bottom faces	20 16
Span 60-61	L0' - L2'	south	lower chord	top and bottom faces	38 20
Span 60-61	L0' - L2'	north	lower chord	both north and south exterior faces	18 '3
Span 60-61	L0' - L2'	south	lower chord	both north and south exterior faces	08 12
Span 60-61	L0' - U1'	north	truss diagonal	both north and south exterior faces near L0	3632
Span 60-61	L0' - U1'	south	truss diagonal	both north and south exterior faces near L0	34 34
Span 60-61	UO	north	truss vertical	both north and south exterior faces	•
Span 60-61	UO	north	upper floor beam	both sides of web near truss vertical connection	
Span 60-61	uo	north	truss vertical	both east and west faces	
Span 60-61	UO	south	truss vertical	both north and south exterior faces	
Span 60-61	U0	south	upper floor beam	both sides of web near truss vertical connection	
Span 60-61	U0	south	truss vertical	both east and west faces	-
Span 60-61	U1	north	truss vertical	both north and south exterior faces	_
Span 60-61	U1	north	upper floor beam	both sides of web near truss vertical connection	
Span 60-61	U1	north		top and bottom sides of bottom flange for cable restrainer	·

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APPROACH (GIRDER) SPAN

Pier or span Location Pier? (7	Member or joint Location	Member Type	Measurement Location	Paint Thickness (mils)
Pier? (Span? () Span? () Span? () Span? () Pier? ()	top of column top of column east exp. jnt. east exp. jnt. west exp. jnt. west exp. jnt. top of column top of column	longitudinal girder longitudinal girder floor beam floor beam floor beam floor beam longitudinal girder longitudinal girder	exterior face 1' up from top of column interior face 1' up from top of column exterior face 3' in from bridge centerline bottom flange 3' in from bridge centerline exterior face 3' in from bridge centerline bottom flange 3' in from bridge centerline exterior face 1' up from top of column interior face 1' up from top of column	22 16 18420-224 26 24 22 26 26 36 18 16

Sheet 6 of 7

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TRUSS SPANS

Pier	Member	Member	Measurement	
or span	or joint	Туре	Location	Paint
Location	Location	1	Location	Thickness
Span 59	Uo	plumb post	east face at connection to up, deck floor beam	(mils)
Span 59	Uo	floor beam	east face 2' inboard	32
Span 59	U ₁	plumb post	east face at connection to up, deck floor beam	32
Span 59	U₁	floor beam	east face 2' inboard	36
Span 59	U ₃ '	plumb post	east face at connection to up, deck floor beam	36
Span 59	U ₃ '	floor beam	east face 2' inboard	33
Span 59	U ₂ '	plumb post	east face at connection to up, deck floor beam	33
Span 59	U ₂ '	floor beam	east face 2' inboard	22
Span 60	Uo	plumb post	east face at connection to up, deck floor beam	22
Span 60	Uo	floor beam	east face 2' inboard	30 .
Span 60	U ₁	plumb post	east face at connection to up, deck floor beam	32
Span 60	U ₁	floor beam	east face 2' inboard	34
Span 60	U ₃ '	plumb post	east face at connection to up. deck floor beam	34
Span 60	U ₃ '	floor beam	east face 2' inboard	36
Span 60	U ₂ '	plumb post	east face at connection to up, deck floor beam	32
Span 60	U ₂ '	floor beam	east face 2' inboard	33
	•		Cast face 2 lifboard	30
	-			
<u> </u>				

R-SR Bildge

CANTILEVER SPAN

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Pier	Member	Member		
or span	or joint	1	Measurement	
Location	Location	Туре	Location	Paint
Spen 33				Thickness
Spen 33	UA _a -UA ₇	N.side, upper chord	mid spen, N. angle where lacing attaches	(mits)
	UA -UA,	N.side, upper chord	@ mid spen, S. angle where lacing attaches	118
Spen 33	UA	N.side: gusset	exterior face of gussel plate	14
Spen 33	UAs	N.side, gusset	interior face of cure of cure	22
Spen 33	MA, -Lo	N.side, disgonal	interior face of gusset plate	10
Spen 33	MA, -La		5' up from deck, N. angle where lacing attaches	34
Spen 34	LCUC	N.side, diagonal	The Horn deck, S. andle where lacine where	
Spen 34	LC,-UC,		of their back, N. anole where levine and	34
Spen 34	US,	N.side, diagonal	of Horis Deck S. angle where taking and	24
Spen 34	US	N.side, gusset	AVIALUE 1908 OL DASSEL DISSE	22
	003	N.side, gusset	interior face of gusset plate	.22
				16
PM 33	44.	Nisise gusset	extr face	
	ð,	1 13	335762	18
	MA		int. face	14
•	• 6		est face	18
•	UA7		int face	18
31	el		ext face	16
			int for	16
20.34	455	N. C. T. C. C. C.		<u> </u>
	H H	W. Side gusset	ext. face	
			int. face	15
		-	~	18
		 		

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R-SR Bridge

TRUSS S	PAN # 28			
Span 28	Lo	plumb post	east face at connection to low, deck floor beam	
Span 28	Lo	lower floor beam	east face of lower deck floor beam 2' inboard	12
Span 28	Lo	chord	too surface of short 2' from all	26
Spen 28	L ₀	w.b. gusset @ mid	top surface of chard 3' from plumb post	66
Spen 26	U	plumb post	lop surface of wind brace gusset, middle of f.b.	3 4
Spen 28	Un	upper floor beem	est face of upper floor beam	
Spen 28	ہا	plumb post	east face of upper floor beam 2 inboard	
Span 28	L ₁	chord	least face at connection to low, deck floor beam	20
Span 28	L,	lower floor bearn	top surface of chord 3' from plumb post	44
Spen 28	L,	w.b. gusset @ mid	east face of lower deck floor beam 2' inboard	38
Soen 28			lop surface of wind brace gusset, middle of f.b.	34
Spen 28		plamb post	top surface of wind brace gusset, S.end of f.b.	-3636
Span 28	- 0,	upper floor beam	past face at connection to up. dock floor beam	
Span 28		chord	east face of upper floor beam 2' inboard	
Span 28	L ₂		lop surface of chord 3' from plumb post	74
Spen 28	L ₂	w.b. gusset @ mid	top surface of wind brace gusset, middle of f.b.	30
Span 28	<u> </u>	w.b. gusset @ end	top surface of wind brace gusset, S.end of f.b.	34
Span 28	<u> </u>	chord	top surface of chord 3' from plumb post	62
Span 28		w.b. gusset @ mid	top surface of wind brace gusset, middle of f.b.	22
Spen 28	L ₃	w.o. gusset @ eng	top surface of wind brace gusset, S end of f.b.	28
Span 28		chord	top surface of chord 3' from plumb post	46
Span 28		W.D. BUSSET TO MIN	top surface of wind brace gusset, middle of f.b.	36
Spen 28	<u> </u>	w.b. guasel @ end	top surface of wind brace gusset, S.and of f.b.	38
80en 28	L _s '	plumb post	east face at connection to low, deck floor beam	7.7
S000 20	U	lower floor bearn	east face of lower floor beam 2' inboard	4.7
Spen Zi	- - 03	plumb post	east face at connection to up. deck floor beam	
Span 28	L ₂ '	upper Reor hearn	east face of upper floor beam 2 inboard	
Span 28		plumb post	east face at connection to low, deck floor beam	2,8
Spen 28	L ₂ '	lower floor beam	east face of lower floor beam 2" inboard	34
Spen 28	- U3 '	plumb-post	east face at connection to up; deck floor beam	
Sherr Se	03	naber goor peem	sest face of upper floor beam 2 incoand	
 		-		
 				